

I-64 Incident Command Monthly Report February 2008

AM and PM Peak Periods

Rush Period

- Morning = 6:30-8:30 a.m.
- Evening = 4-6 p.m.

Interstates

Traffic volumes have stabilized on the interstates. The following segments are a representation of the traffic volume changes and travel times during the AM and PM rush periods. Travel times compared to January 2008 are relatively the same. All increases in the average upper limit are attributed to incidents.

Summary of Morning Rush Period:									
Segment	% Volume Change		Peak Hr Vol			Travel Times			
	Jan	Feb	Before	January	February	Before	January	February	
I-270 westbound at Chain of Rocks	30%	15%	4099	5231	4694	10min	9-11min	10-13	min
I-270 northbound from I-55 to I-44	10%	5%	4620	4990	4989	6min	6-10min	6-10	min
I-270 northbound from I-44 to I-64	25%	20%	4778	5953	5800	7min	7-9min	7-10	min
I-255 eastbound at Jefferson Barracks	80%	70%	1088	1976	1856	4min	4min	4	min
I-70 eastbound from I-270 to I-170	15%	10%	3236	3759	3610	4min	4min	4-5	min
I-70 eastbound from I-170 to downtown	-5%	-15%	4421	4113	3780	11min	11-16min	11-23	min
I-44 eastbound from I-270 to downtown	-20%	-20%	3590	2902	2948	16min	14min	14-15	min

Summary of Evening Rush Period:									
Segment	% Volume Change		Peak Hr Vol			Travel Times			
	Jan	Feb	Before	January	February	Before	January	February	
I-270 eastbound at Chain of Rocks	40%	30%	4398	6148	6082	12min	12-22min	13-28	min
I-270 southbound from I-64 to I-44	5%	5%	5366	5629	5053	9min	7-19min	7-23	min
I-255 eastbound at Jefferson Barracks	-45%	-45%	2693	1548	1459	4min	4min	4	min
I-70 westbound from I-270 to I-170	60%	60%	2875	5043	5005	4min	4min	4-6	min
I-70 westbound from I-170 to downtown	-20%	-20%	5357	4409	4198	12min	11-18min	11-21	min
I-44 westbound from I-270 to downtown	20%	15%	3992	4674	4616	16min	14-16min	14-16	min

I-70 Reversible Lanes

The reversible lanes on I-70 have traditionally operated in the eastbound direction during the AM hours, and in the westbound direction during the PM hours. Their operation was switched on January 8 to mitigate significant travel delays in the westbound direction during the AM peak, and in the eastbound direction during the PM peak. On holidays and snow events, the reversible lanes are set in the eastbound direction.

The volumes and travel times for February continue to support the decision of the direction of the reversible lanes. Volumes have increased in February compared to January.

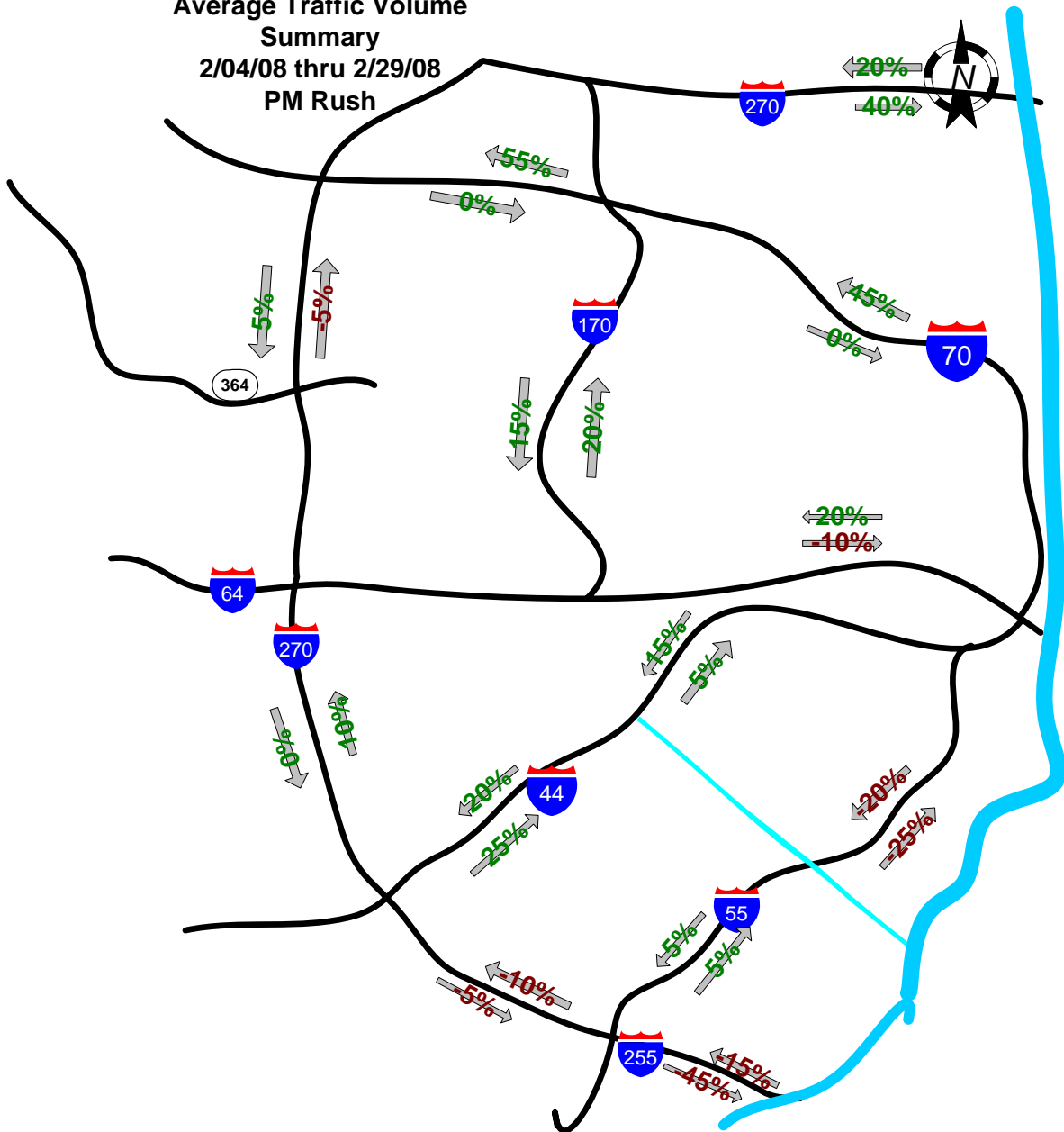
- Westbound AM volume is 2600 vehicles higher than Eastbound AM volume compared to 800 vehicles higher in January 2008.
- Eastbound PM volume is 3600 vehicles higher than Westbound PM volume compared to 300 vehicles higher in January 2008.

Regional Average Traffic Volume Comparisons

Following are map views of the Average Monthly Traffic Volumes (AM and PM Rush periods) compared to average baseline volumes from October 2007. The percentage change was derived using data from MoDOT sensors and Traffic.com sensors.

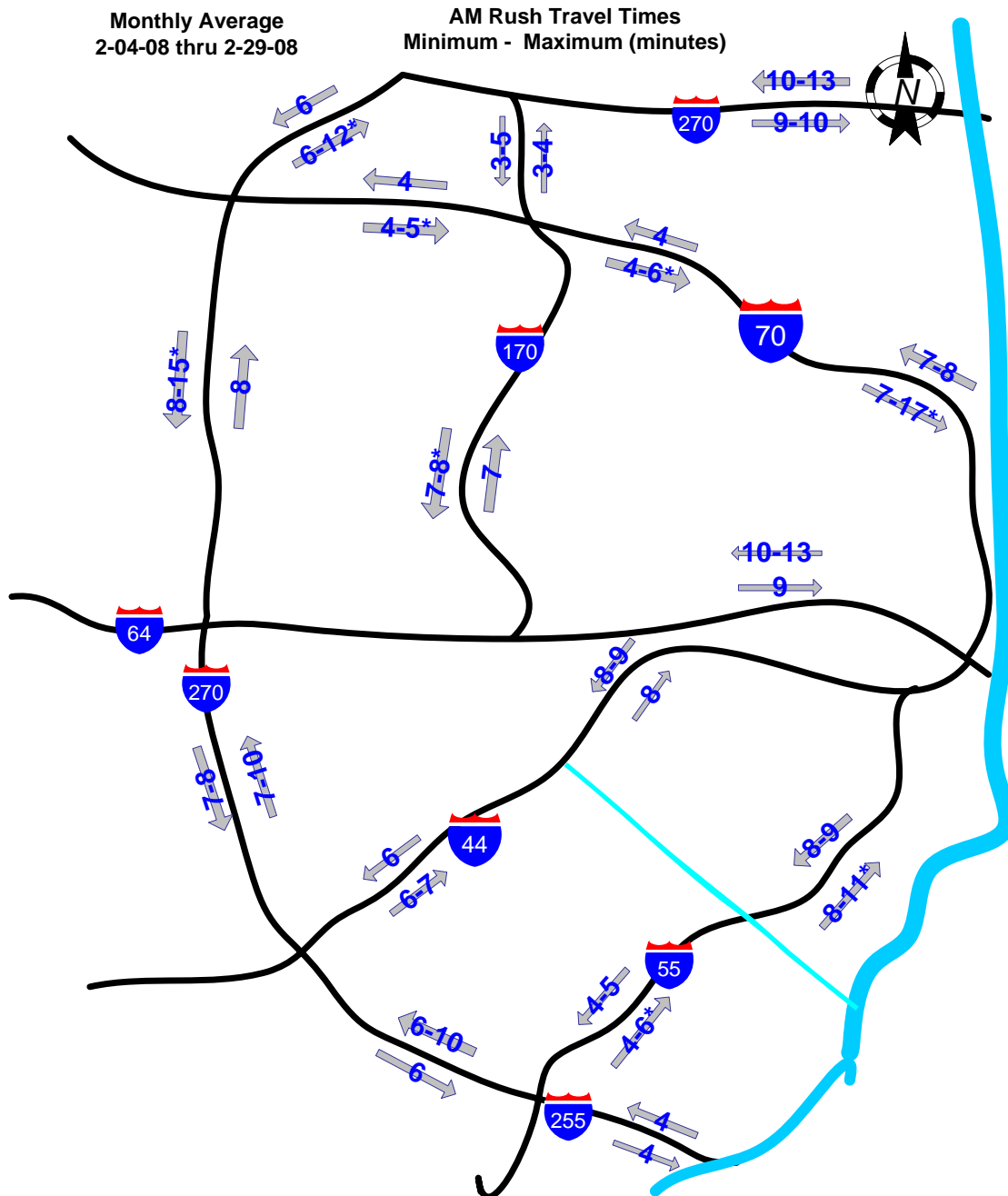


Average Traffic Volume
Summary
2/04/08 thru 2/29/08
PM Rush



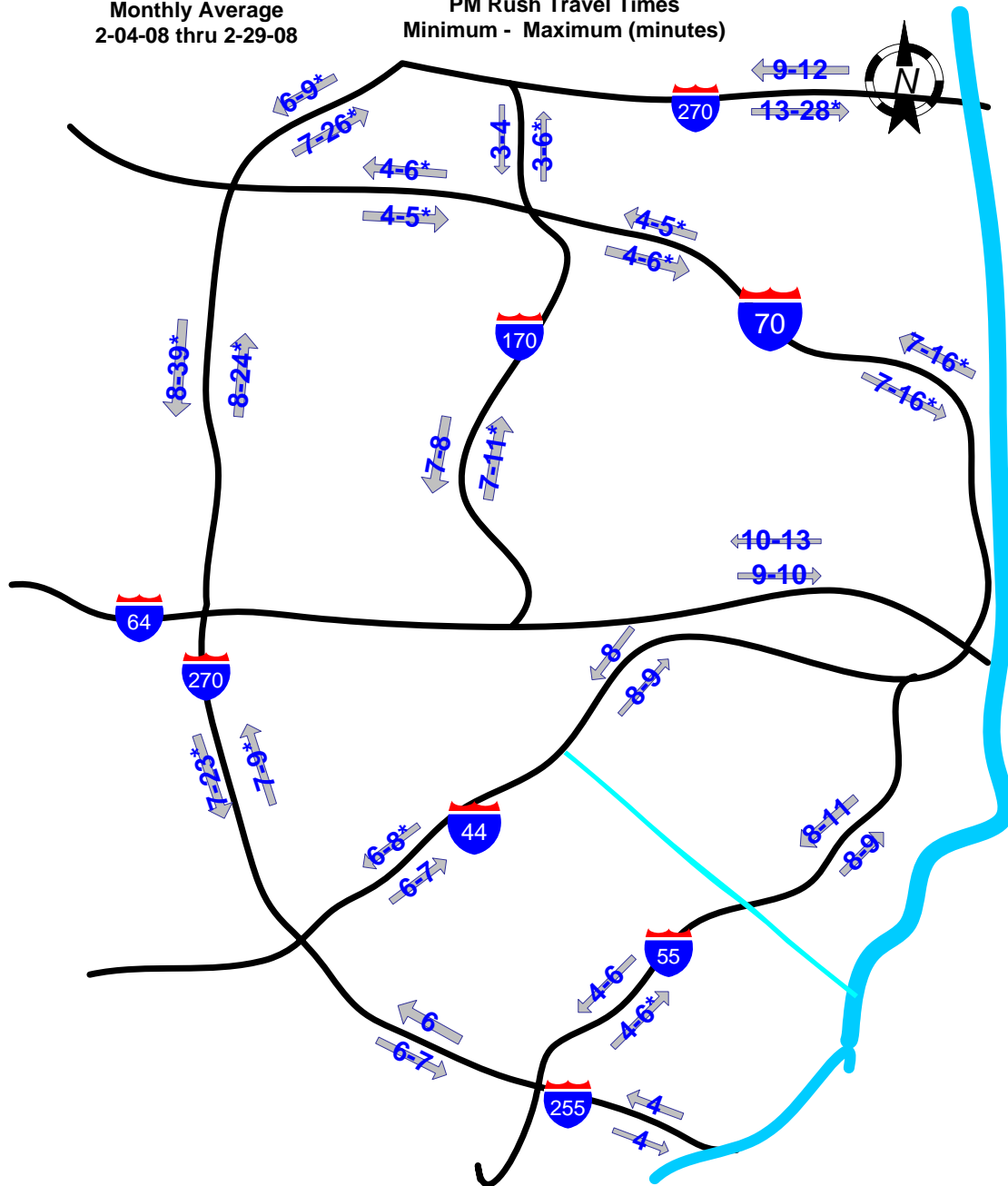
Regional Travel Times

Following are maps that depict the Average Travel Time experienced throughout the month of February, excluding significant delays caused by major incidents and snow days. There is a map for the AM Rush Period and the PM Rush Period.



Monthly Average
2-04-08 thru 2-29-08

PM Rush Travel Times
Minimum - Maximum (minutes)



Arterials

The following segments are a representation of the traffic volume changes and travel times during the AM and PM rush periods. On the arterials, the peak travel times are from 7:30 – 8:30 during the AM peak and 4:30 to 5:30 during the PM peak.

Volumes

Summary of Morning Rush Period Volumes:			
Segment	Volume percent change	Peak Hr Vol	
		Before	February
Route 141 North of I-44	-5%	7400	7300
Page at Schuetz	15%	7300	8300
Olive at Ballas	60%	3100	5000
Manchester at Lindbergh	25%	3300	4200
Southbound Lindbergh at Manchester	300%	900	2700
Northbound Lindbergh at Manchester	-50%	2400	1300

Summary of Evening Rush Period Volumes:			
Segment	Volume percent change	Peak Hr Vol	
		Before	January
Route 141 North of I-44	-5%	8900	8400
Page at Schuetz	15%	8900	10300
Olive at Ballas	20%	6500	7800
Manchester at Lindbergh	15%	2600	3000
Southbound Lindbergh at Manchester	-50%	6500	3100
Northbound Lindbergh at Manchester	-50%	6500	3100

Travel Times

Summary of Morning Rush Period Travel Times				
Segment	Travel Times at 7:30 AM		Travel Times at 6:30 AM	Time Saved by Shifting 1 hour
	Before	February	February	
Route 141 – 44 to 40/64	14 min	14 min	12 min	2 min
Page – 270 to 170	28 min	14 min	10 min	4 min
Olive – 141 to 170	22 min	24 min	14 min	10 min
Manchester – 141 to Hanley	25 min	23 min	19 min	4 min
SB Lindbergh – 70 to 44	24 min	28 min	22 min	6 min
NB Lindbergh – 44 to 70	28 min	29 min	25 min	4 min

Summary of Evening Rush Period Travel Times				
Segment	Travel Times at 4:30 PM		Travel Times at 3:30 PM	Time Saved by Shifting 1 hour
	Before	January	January	
Route 141 – 40/64 to 44	19 min	13 min	11 min	2 min
Page – 170 to 270	13 min	12 min	11 min	1 min
Olive – 170 to 141	22 min	24 min	17 min	7 min
Manchester – Hanley to 141	38 min	28 min	25 min	3 min
SB Lindbergh – 44 to 70	33 min	29 min	27 min	2 min
NB Lindbergh – 70 to 44	28 min	25 min	25 min	0 min